

### **ABSTRACT**

[0034] Briefly, a method and apparatus to estimate a collision rate parameter by manipulating a first probability value with a second probability value. The first probability value may be the probability of an attempt to transmit a data packet within a desired time slot of a contention window. The second probability value may be a probability of data packet transmitted from the desired time slot within the contention window to collide with an at least one other data packet transmitted by other station of wireless communication network.